

(a) producing a first fusion protein comprising a known polypeptide linked to a first green fluorescent protein (GFP) fragment;

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(b) producing a second fusion protein comprising a test polypeptide linked to a second GFP fragment, wherein association of the first and second GFP fragments results in a GFP that exhibits detectable fluorescence;

(c) allowing the first fusion protein to associate with the second fusion protein to form a complex mediated by the non-covalent association of the known polypeptide and test polypeptide; and

(d) detecting reassembly of GFP, wherein reassembly of GFP indicates that the test polypeptide interacts with the known polypeptide.

Please add the following new claims:

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Sub
B22
--29. (New) The method of claim 27, wherein the first GFP fragment is dissected from the second GFP fragment between amino acid residues in a surface loop.--

--30. (New) The method of claim 27, wherein the first GFP fragment is dissected from the second GFP fragment between amino acid residues 157 and 158.--

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A2

--31. (New) The method of claim 27, wherein the first GFP peptide is NGFP and the second GFP peptide is CGFP.--